Note: Answer (5) questions only, 10 marks for each

Q1: Define the following: (only five)
   1-Booting   2- system calls   3-protection domain   4- Role-based access control
   5-interrupt vector   6-Networking

Q2: explain why we need Os then describe it from the user view and system view?

Q3: discuss in details deadlock prevention?

Q4: distinguish between the following:
   1-Memory protection & CPU protection.
   2-Distributed Systems & Clustered systems
   3-multilevel Queue scheduling & multilevel feedback scheduling

Q5: Answer the following: ? (only two)
   (A) what are the reasons for providing process cooperation?
   (B) explain the security problem and the security measure levels?
   (C) describe the principles of protection?

Q6: what are the functions of the following:
   1-system program
   2-Bootstrap software
   3-dispatcher
   4-file management